Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/18/2017 04/18/2017	Zach Jojola

LM Start		Rating **	Α	Issue No.		3		
LM End		Issue Type +	Ma	Location *	N/A			
Category	evee		GPS La	atitud	le/Longitude			
Calegory				Start		End		
Item		s & Maintena	nce		٥		0	
пеш	Manuals				٥		0	
DWR ID	DWR ID DWR_ST0008_01_s _ 2013_3							
		Comn	nent Cod	le				
		Inspect	or Comm	nent				
The Sacramento Maintenance Yard has the O&M manuals.								

No Photos

LM Start		Rating **	Α	Issue No.		4		
LM End		Issue Type +	Ма	Location *		N/A		
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
ltem	Item Emergency Supplies &				0		0	
пеш	Equipment				0		0	
DWR ID	DWR_ST0	008_01_s _ 201	3_4					
		Comn	nent Cod	le				
		Inspecto	or Comm	nent				

The Sacramento Maintenance Yard maintains a stockpile of flood

No Photos

response material.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/18/2017 04/18/2017	Zach Jojola

LM Start		Rating **	Α	Issue No.		5	
LM End		Issue Type +	Ма	Location *		N/A	
Category Earthen Levee			GPS La	GPS Latitude/Longitude			
Calegory	Calegory			Start		End	
Item	Flood Preparedness & Training				0		0
пеш					0		0
DWR ID	DWR_ST0	008_01_s _ 201	3_5				
		Comn	nent Cod	le			
		Inspecto	or Comm	ent			
TI O		al live a second of			.1		

The Sacramento Yard has a written response plan and regular flood fight training.

No Photos

LM Start	0.05	Rating **	U	Issue No.		9	
LM End	1.73	Issue Type +	Ма	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	ategory					End	
Item	Vegetatio	n		38.6069	17°	38.599516°	
item				-121.5607	18°	-121.590145°	
DWR ID DWR_ST0008_01_s _ 2017_9							
		Comn	nent Coc	le			

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment



Tall grass on the landside slope, blocking visibility. Spring 2017.

LM Start	0.08	Rating **	М	Issue No.		6	
LM End	0.08	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Category					End	
Item	Slope Sta	bility		38.6066	22 °	38.606622 °	
item			-121.5612	66 °	-121.561266 °		
DWR ID DWR_ST0008_01_f _ 2016_6							
		0		L.			

Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment



Slope stability issue caused by vehicles. Fall 2016.

* Location		** Rating		+ Issue Type
LS: Land Side	N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsole
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/18/2017 04/18/2017	Zach Jojola

-								
LM Start	0.41	Rating **	U	Issue No.		11		
LM End	1.73	Issue Type +	Ma	Location *	WS			
Catagony	Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Calegory					End		
Item	Vegetation			38.605003°		38.599516°		
item	em				35°	-121.590145°		
DWR ID	DWR_ST0	008_01_s _ 201	7_11					
		Comn	nent Cod	le				
		grass and wee	ds on th	e levee slo	pes a	and		
easements	S.							
Inspector Comment								



Tall grass on waterside slope, blocking visibility. Spring 2017.

LM Start	0.94	Rating **	A/W	Issue No.		10	
LM End	0.94	Issue Type +	Ма	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Animal Co	ontrol		38.6027	63°	38.602763	٥
iteiii					88 °	-121.576288	٥
DWR ID	DWR_ST0	008_01_f _ 2015	5_10				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 2: SP_2017_ST0008_284_10_20170320_00003.jpg



An updated view of the rodent holes on LS slope. Fall 2016.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.94	Rating **	A/W	Issue No.	10 (cont)	
LM End	0.94	Issue Type +	Ma	Location *	LS	
Category	Earthen L	.evee		GPS L	atitud	e/Longitude
Calegory				Start		End
Item	Animal Co	ontrol		38.6027	'63 °	38.602763°
пеш				-121.576288 °		-121.576288 °
DWR ID	DWR_ST0	008_01_f _ 201	5_10			
		Comn	nent Cod	le		
	dents visib or grout but	le, but rodent rows.	burrows	visible; ne	ed to	backfill and
		Inspecto	or Comm	nent		



View of the rodent holes on the landward side of the levee looking upstream. Fall 2015.

LM Start	1.09	Rating **	A/W	Issue No.		16
LM End	1.09	Issue Type +	Ma	Location *		LS
Category	ental	GPS Latitude/Longitude				
Calegory				Start		End
Item	DWR UC	IP LMA Respo	onsibility	38.602169°		38.602169°
item				-121.5790	00°	-121.579000°
DWR ID						
Comment Code						

Inspector Comment

FS_ID:44787 DS_ID:19076 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: A concrete saddle found on slough/drainage. No pump was found on LS and no structure/pipe found on WS. FIELD_STRUCT_DESC: An abandoned grouted 36-inch CM pipe. Remaing of concrete structure found on LS.O&M Manual Sac 122.1,

August 1955, Revision Year 2011. FS Date: 4/28/2015 2:44:05 PM

Photo 1 of 3: UCIP_SP_2017_44787_20605.jpg



Landside view: overview

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/18/2017 04/18/2017	Zach Jojola

LM Start	1.09	Rating **	A/W	Issue No.	ue No. 16 (cont)		
LM End	1.09	Issue Type +	Ma	Location *	LS		
Category	ental	GPS Latitude/Longitude					
Calegory				Start		End	
Item	DWR UC	IP LMA Respo	onsibility	38.6021	69°	38.602169°	
пеш				-121.5790	00°	-121.579000 °	
DWR ID	OWR ID						
	Comment Code						

Inspector Comment

FS_ID:44787 DS_ID:19076 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: A concrete saddle found on slough/drainage. No pump was found on LS and no structure/pipe found on WS. FIELD_STRUCT_DESC: An abandoned grouted 36-inch CM pipe. Remaing of concrete structure found on LS.O&M Manual Sac 122.1, August 1955, Revision Year 2011.

FS Date: 4/28/2015 2:44:05 PM

LM Start	1.09	Rating **	A/W	Issue No.	16 (cont)
LM End	1.09	Issue Type +	Ma	Location *	LS



Landside view: remaining of concrete structure



Landside view: remaining of concrete structure on drainage/slough

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Rating

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/18/2017 04/18/2017	Zach Jojola

LM Start	1.10	Rating **	С	Issue No.		7
LM End	1.10	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Encroach	ments		38.6021	13°	38.602113 °
item				-121.579128°		-121.579128°
DWR ID	DWR_ST0	008_01_f _ 2016	6_7			
		Comn	nent Cod	le		
DE : Debri	S					
		Inspecto	or Comm	nent		

No Photos

LM Start	1.22	Rating **	М	Issue No.		12
LM End	1.22	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Slope Sta	bility		38.6016	606°	38.601606°
пеш			-121.5812	240°	-121.581240 °	
DWR ID	DWR_ST0	008_01_s _ 201	7_12			
		Comn	nent Cod	le		
S1 : Repa	ir slope ins	tability.				
		Inspecto	or Comm	nent		
Large sloughing site on waterside levee slope and crown.						



View of sloughing on waterside levee slope and crown. Spring 2017.

LM Start	1.28	Rating **	М	Issue No.		13	
LM End	1.28	Issue Type +	Ма	Location *		LS	
Category	Catagonia Earthen Levee					e/Longitude	
Category				Start		End	
Item	Slope Sta	bility		38.6013	25°	38.601325 °	
пеш				-121.5821	77 °	-121.582177 °	
DWR ID	DWR_ST0	008_01_s _ 201	7_13				
		Comn	nent Cod	le			
S1 : Repai	r slope ins	tability.					
		Inspecto	or Comm	nent			
Sloughing	Sloughing on landside levee slope.						



view of sloughling of fariables levels slope. Opining 2017

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/18/2017 04/18/2017	Zach Jojola

LM Start	1.29	Rating **	М	Issue No.		14
LM End	1.29	Issue Type +	Ма	Location *	WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Erosion /	Bank Caving		38.6012	46°	38.601246°
пеш	-121.582469 ° -121.582					-121.582469 °
DWR ID	DWR_ST0	008_01_s _ 201	7_14			
		Comn	nent Cod	de		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.
		Inspecto	or Comm	nent		
Runoff erosion on waterside levee slope next to siphon breakers.						



View of erosion on waterside levee slope. Spring 2017.

LM Start	1.74	Rating **	M	Issue No.		15		
LM End	1.74	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory	alegory					End		
Item	Erosion /	Bank Caving		38.5995	46°	38.599546 °		
пеш				-121.5902	35 °	-121.590235 °		
DWR ID DWR_ST0008_01_s _ 2017_15								
	Comment Code							

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Runoff erosion on waterside levee slope.

Photo 1 of 1: SP_2017_ST0008_284_15_20170419_00019.jpg



View of erosion on waterside slope. Spring 2017.

Rating A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento Bypass or South Levee	Left	1.79	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.03	Rating **	A/W	Issue No.		2	
LM End	0.03	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS L	atitud	le/Longitude	
Calegory				Start		End	
Item	Animal Co	ontrol	38.602613 ° 38.602				
пеш)21 °	° -121.556021	
DWR ID DWR_ST0008_02_s _ 2016_2							
		Comn	nent Cod	de			
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.							
Inspector Comment							



View of rodent holes on LS slope of the levee near entry gate. Fall 2016..

LM Start	0.03	Rating **	U	Issue No.		1
LM End	1.77	Issue Type +	Ма	Location *		LS
Cotogony	Earthen L	evee		GPS La	atitud	le/Longitude
Category				Start		End
Item	Vegetatio	n		38.6026	07°	38.594797 °
пеш				-121.556077° -121.58		
DWR ID	R ID DWR_ST0008_02_s _ 2017_1					
Comment Code						
V1 : Contre easements		grass and wee	ds on th	e levee slo	pes	and
Inspector Comment						



Tall grass on landside levee slope, blocking visibility. Spring 2017.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento Bypass or South Levee	Left	1.79	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.51	Rating **	U	Issue No.		3
LM End	1.14	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetation			38.6003	33°	38.597757 °
пеш			-121.5644	16°	-121.575579°	
DWR ID	DWR ID DWR_ST0008_02_s _ 2017_3					
		Comn	nent Cod	le		
V1 : Contreasements	•	grass and wee	ds on th	e levee slo	pes a	and
Inspector Comment						



Tall grass on waterside levee slope, blocking visibility. Spring 2017.

	4.04	Rating **	IJ	Issue No.		4
LM Start	1.24					4
LM End	1.77	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Odicgory				Start		End
Item	Vegetatio	n	38.597328° 38.59			
пеш				-121.5774	-121.586479 °	
DWR ID DWR_ST0008_02_s _ 2017_4						
		Comn	nent Cod	le		
V1 : Contre easements		grass and wee	ds on th	e levee slo	pes	and
		Inspecto	or Comm	nent		



Tall grass on waterside levee slope, blocking visibility. Spring 2017.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento Bypass or South Levee	Left	1.79	04/18/2017 04/18/2017	Zach Jojola

LM Start	1.36	Rating **	М	Issue No.		6	
LM End	1.36	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		38.5967	38.596772 °		
пеш				-121.5793	-121.579336 °		
DWR ID DWR_ST0008_02_s _ 2017_6							
Comment Code							
S1 : Repai	r slope ins	tability.					
Inspector Comment							
100' slougl	h section c	n waterside le	evee slo	oe.			



View of sloughing on waterside levee slope. LMA placed visqueen on slope to prevent further damage from occuring. Spring 2017.

LM Start	1.77	Rating **	М	Issue No.		8	
LM End	1.77	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.5947	38.594710 °		
пеш				-121.5865	-121.586582 °		
DWR ID DWR_ST0008_02_s _ 2017_8							
Comment Code							
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.	
Inspector Comment							



View of erosion on waterside levee slope. Spring 2017.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento Bypass or South Levee	Left	1.79	04/18/2017 04/18/2017	Zach Jojola

LM Start	1.78	Rating **	М	Issue No.		5
LM End	1.78	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Encroach	ments		38.5947	'02 °	38.594702 °
пеш				-121.5866	-121.586604°	
DWR ID DWR_ST0008_02_s _ 2016_5						
Comment Code						
PR : Pruni	ngs					
		Inspecto	or Comm	ent		
This is a se	easonal pi	le but gets bu	rned by t	he LMA ea	ch y	ear.

Photo 1 of 2: SP_2017_ST0008_285_5_20170320_00002.jpg
X V
the state of the s

More debris was added to the pile since the time of last inspection. Fall 2016.

)

Photo 2 of 2: SP_2017_ST0008_285_5_20170320_00003.jpg



View of the firewood on the landward side of the levee looking upstream. Spring 2016.

LM Start	1.78	Rating **	М	Issue No.	5 (cont)
LM End	1.78	Issue Type +	Ma	Location *	LS

Rating

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain